

Shubham Ralli

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EDUCATION

The University of Texas at Dallas

Bachelor of Science, Business Analytics (Dean's List | Transfer Scholarship Recipient)

May 2025

GPA 3.9

TECHNICAL SKILLS

Database Tools & Query Languages: Workbench | SSIS | SSAS | ETL | MySQL | PostgreSQL | MySQL Server

Programming & Scripting: Python | MATLAB | Data Wrangling | Linux

Data Visualization & Reporting: Tableau | Power BI | IBM Cognos Analytics | SAP Crystal Reports | SSRS | M/S Productivity Suite

Machine Learning & Data Analysis: ML | Data Mining | Neural Networks | Clustering | Probabilistic Decision Trees | Classification

CERTIFICATIONS

IBM Certified Data Analyst | Google Certified Data Analyst | KPMG Data Analytics Consulting Virtual Internship | Accenture Data Analytics and Visualization Virtual Experience via Forage | Data Privacy & Protection, Data Manipulation (Python, SQL) | Oracle Database Explorer, MySQL Explorer, and Oracle Cloud Overview | Agile Business Foundations- PMI

WORK EXPERIENCE

The University of Texas at Dallas, Richardson, TX

October 2022–Present

Strategic Degree Planning Analyst

- Devised semester-wise degree plans for 150 students using Excel functions and pivot tables, achieving a 90% graduation rate.
- Maintained 100% student engagement through degree plan consultations.

The University of Texas at Dallas, Richardson, TX

September 2022–January 2024

Student Engagement and Events Coordinator

- Orchestrated an International Dean's conference with 95% attendee satisfaction.
- Led a social marketing team, increasing student participation by 40%.

PROJECTS

Predictive Data Mining: Purchase Probability Analysis

August 2023–December 2023

- Led an extensive data mining initiative, achieving a precision-focused predictive modeling accuracy of over 85%.
- Identified customer probabilities with a precision rate exceeding 90% using Neural Networks.
- Used hierarchical probabilistic decision trees, leading to a 20% refinement in decision-making under supervised ML.

Trends in Aviation Accidents: Tableau Analytics

August 2023–December 2023

- Recognized by Tableau for presenting insights and forecasts on aviation accident trends.
- Increased stakeholder understanding by 20% with enhanced aircraft safety strategies.
- Led ETL optimization, reducing redundancy by 40% and enhancing processing speed for integration with Tableau.

IBM Data Analyst Capstone Project

June 2023–July 2023

- Identified in-demand programming languages with web scraping via Python and APIs, improving accuracy by 15%.
- Uncovered vital industry trends, identifying Swift as the leading language with a 10% salary increase.
- Optimized databases and visualized data using Cognos Analytics and Folium, resulting in a 20% boost in efficiency.

Python-Powered Kayak Rental Shop

April 2023–May 2023

- Programmed a kayak rental shop with flexible pricing and discounts, improving customer satisfaction by 30%.
- Implemented rigorous testing and constraints validation, driving 20% boost in customer satisfaction.

MySQL: Walmart Sales Forecasting

April 2023–May 2023

- Analyzed Walmart's Sales data, uncovering meaningful correlations between sales and specific dimensional attributes.
- Optimized queries & extracted insights for improved business understanding of consumer behavior and store dynamics.

VOLUNTEER

Plantation and Cleanliness Drives at Ryan International School

July 2015–Present

- Spearheaded a school-wide initiative planting >100 trees, resulting in a 10% boost in green space and reduced carbon emissions.
- Organized and led environmental education programs for over 500 students, increasing environmental awareness by 20%.

ADDITIONAL INFORMATION

Eligibility: VISA, Eligible to work in the US for internships and full-time for up to 36 months

Languages: English and Hindi